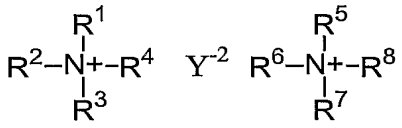
## CLAIMS

What is claimed is:

1. A formulation comprising a thiomolybdate or thiotungstate compound, a pharmaceutically acceptable solvent and a matrix material.

2. The formulation of Claim 1, wherein the thiomolybdate or thiotungstate compound is a compound of structural Formula (I):



(I)

or a solvate or hydrate thereof wherein:

$R^1$, $R^2$, $R^3$, $R^5$, $R^6$ and $R^7$ are independently hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl, substituted arylalkyl, cycloalkyl, substituted cycloalkyl, cycloheteroalkyl, substituted cycloheteroalkyl, heteroaryl, substituted heteroaryl, heteroarylalkyl, substituted heteroarylalkyl, heteroalkyl or substituted heteroalkyl;

$R^4$ and $R^8$ are independently hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl, substituted arylalkyl, cycloalkyl, substituted cycloalkyl, cycloheteroalkyl, substituted cycloheteroalkyl, heteroaryl, substituted heteroaryl, heteroarylalkyl, substituted heteroarylalkyl, heteroalkyl or substituted heteroalkyl or are absent when N is part of an aromatic ring;

optionally, $R^1$ and $R^2$ taken together are alkyldiyl, substituted alkyldiyl, heteroalkyldiyl or substituted heteroalkyldiyl;

optionally, $R^5$ and $R^6$ taken together are alkyldiyl, substituted alkyldiyl, heteroalkyldiyl or substituted heteroalkyldiyl;

optionally, $R^1$ and $R^2$ taken together, $R^2$ and $R^3$ taken together and $R^2$ and $R^4$ taken together are alkyldiyl, substituted alkyldiyl, heteroalkyldiyl or substituted heteroalkyldiyl;

optionally, $R^5$ and $R^6$ taken together, $R^6$ and $R^7$ taken together and $R^6$ and $R^8$ taken together are alkyldiyl, substituted alkyldiyl, heteroalkyldiyl or substituted heteroalkyldiyl;

optionally, $R^3$ and $R^7$ taken together are alkyldiyl, substituted alkyldiyl, heteroalkyldiyl or substituted heteroalkyldiyl; and

$Y^{-2}$ is $(WS_4)^{-2}$, $(MoS_4)^{-2}$, $(Mo_2S_{12})^{-2}$, $(Mo_2S_9)^{-2}$, $(Mo_2S_7)^{-2}$, $(Mo_2S_8)^{-2}$, $(Mo_2S_{11})^{-2}$, $(Mo_2S_6)^{-2}$ or $(Mo_2S_{13})^{-2}$.

3. The formulation of Claim 2, wherein is $Y^{-2}$ is $(WS_4)^{-2}$, $(MoS_4)^{-2}$.

4. The formulation of Claim 1, wherein the thiomolybdate compound or thiotungstate compound is ammonium thiomolybdate, choline thiomolybdate, ammonium thiotungstate or choline thiotungstate.

5. The formulation of Claim 1, wherein the thiomolybdate compound is choline thiomolybdate.

6. The formulation of Claim 1, wherein the thiomolybdate compound is ammonium thiomolybdate.

7. The formulation of Claim 1, wherein the pharmaceutically acceptable solvent is an aqueous buffer.

8. The formulation of Claim 7, wherein the aqueous buffer includes a chelating agent.

9. The formulation of Claim 8, wherein the chelating agent is a polycarboxylate.

10. The formulation of Claim 9, wherein the polycarboxylate is ethylenediaminetetraacetic acid, [ethylenebis(oxyethylenenitrilo)]tetraacetic acid, and 1,2-bis(2-aminophenoxy)ethane-N,N,N', N'-tetraacetic acid or diethylenetriaminepentaacetic acid.

11. The formulation of Claim 10, wherein the polycarboxylate is ethylenediaminetetraacetic acid.

12. The formulation of Claim 1, wherein the pharmaceutically acceptable solvent is an aqueous buffer containing ethylenediaminetetraacetic acid and the matrix material is PEG 4000.

13. The formulation of Claim 37, wherein the buffer is Tris, lysine, arginine, glycine or triethanolamine.

14. A formulation comprising a dispersion of a thiomolybdate or thiotungstate compound, a pharmaceutically acceptable solvent and a matrix material.

15. A solid dosage form comprising a thiomolybdate or thiotungstate compound and a matrix material.

16. A capsule dosage form comprising the solid dosage form of Claim 15 in a capsule.

17. The capsule dosage form of Claim 16, wherein the capsule comprises a hydroxydialkyl cellulose.

18. The capsule dosage form of Claim 17, wherein the hydroxydialkyl cellulose is hydroxypropyl methylcellulose.

19. A solid dosage form consisting essentially of a thiomolybdate or thiotungstate compound and a matrix material.

20. A solid dosage form comprising a thiomolybdate or thiotungstate compound, a pharmaceutically acceptable solvent and a matrix material.